

CLAIMS:

Claim 1 (currently amended) A free-flowing, solid, peroxide/diluent formulation comprising:

40-85% by weight of a solid t-butyl peroxy maleic acid,

15-60% by weight of a solid diluent selected from the group consisting of: salts of structure $(R-CO_2)_x M^{(x/y)}$ wherein x is an integer selected from equal to 1, 2 or 3 and wherein R is a linear or branched alkyl group of 5-30 carbon atoms optionally substituted with one or more hydroxy (-OH) groups, or a linear or branched mono-, di- or polyalkenyl group of 5-20 carbons and when x is 1, M is a metal ion selected from the group consisting of lithium, sodium, potassium and mixtures thereof, and when x is 2, M is a metal ion selected from the group consisting of calcium, magnesium, lead, barium, cadmium, zinc, and mixtures thereof and when x is 3, M is the metal ion derived from aluminum, and salts of structure $CO_2(M^{(x/y)})_y$ wherein x and y are integers selected from equal to 1 or 2 wherein when y is 1, x is 2 and M is a metal ion selected from the group consisting of calcium, magnesium, lead, barium, cadmium, zinc and mixtures thereof and when y is 2, x is 1 and M is a metal ion selected from the group consisting of lithium, sodium and potassium, mixtures and hydrates thereof,

0-2% by weight of a dust suppressant, and

0-2% by weight of a free-flowing aid.

Claim 2 (original) A solid peroxide formulation of claim 1 wherein the solid diluent is selected from the group consisting of calcium stearate, zinc stearate or sodium

Claim 3 (original) A solid peroxide composition of claim 2 comprising about 80% t-butyl peroxy maleic acid and about 20% calcium stearate.

Claim 4 (original) A solid peroxide composition of claim 1 wherein the dust suppressant is 0.5% mineral oil.

Claim 5 (original) A solid peroxide composition of claim 1 wherein the free-flowing agent is 0.5% amorphous silica.

Claim 6 (original) A solid peroxide composition of claim 1 comprising 80% t-butyl peroxy maleic acid, 19% calcium stearate, and 1% silica.

Claim 7 (canceled)